

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.36	10/08/2015 10/08/2015	Herman Phillips

LM Start		Rating **	A	Issue No.	13		
LM End		Issue Type +	Ma	Location *	N/A		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Operations & Maintenance Manuals				o		o
					o		o
DWR ID	DWR_RD0341_01_f_2014_13						
Action/Comments							
Inspector Comments: District has the O+M Manual on hand.							

No Photos

LM Start		Rating **	A	Issue No.	14	
LM End		Issue Type +	Ma	Location *	N/A	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Emergency Supplies & Equipment				o	
					o	
DWR ID	DWR_RD0341_01_f_2014_14					
Action/Comments						
Inspector Comments: District has emergency supplies stored.						

No Photos

LM Start		Rating **	A	Issue No.	15		
LM End		Issue Type +	Ma	Location *	N/A		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Flood Preparedness & Training				°		°
					°		°
DWR ID	DWR_RD0341_01_f_2014_15						
Action/Comments							
Inspector Comments: District is prepared for a flood fight.							

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Threemile Slough	Right	3.36	10/08/2015 10/08/2015	Herman Phillips

LM Start	0.01	Rating **	A	Issue No.	23
LM End	1.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.085668 °	38.113412 °
				-121.686523 °	-121.684058 °
DWR ID	DWR_RD0341_01_f_2015_23				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: No unwanted vegetation.					

Photo 1 of 1 : FA_2015_RD0341_167_23_20151008_00013.jpg



RD 341 Looking downstream from levee mile 0.00 at mowed levee slope. The arundo has been sprayed.

LM Start	0.01	Rating **	A	Issue No.	24
LM End	3.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.085668 °	38.105183 °
				-121.686523 °	-121.702030 °
DWR ID	DWR_RD0341_01_f_2015_24				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: No unwanted vegetation present on slope.					

Photo 1 of 1 : FA_2015_RD0341_167_24_20151008_00014.jpg



RD 341 Looking downstream from levee mile 0.01 slopes has been mowed to levee mile 3.33.

LM Start	0.02	Rating **	C	Issue No.	1
LM End	0.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.085785 °	38.085975 °
				-121.686613 °	-121.686748 °
DWR ID	DWR_RD0341_01_f_2014_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.36	10/08/2015 10/08/2015	Herman Phillips

LM Start	0.77	Rating **	C	Issue No.	5
LM End	0.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.096605 °	38.096605 °
				-121.686937 °	-121.686937 °
DWR ID	DWR_RD0341_01_f_2014_5				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	1.94	Rating **	C	Issue No.	9
LM End	1.96	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.113372 °	38.113580 °
				-121.684063 °	-121.684095 °
DWR ID	DWR_RD0341_01_f_2014_9				
Action/Comments					
Trees / Woody Vegetation					
Inspector Comments: The Arundo on the levee slope shown in the picture need to be removed from the levee section.					

No Photos

LM Start	2.03	Rating **	A	Issue No.	26
LM End	3.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.114157 °	38.105183 °
				-121.684945 °	-121.702030 °
DWR ID	DWR_RD0341_01_f_2015_26				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: No unwanted vegetation, slope has been mowed.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	10/08/2015 10/08/2015	Herman Phillips

LM Start	3.34	Rating **	M	Issue No.	2
LM End	3.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.105130 °	38.105313 °
				-121.702000 °	-121.702713 °
DWR ID	DWR_RD0341_02_f_2014_2				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2015_RD0341_168_2_20151008_00021.jpg



RD 341 Unit 2 looking downstream from levee mile 3.34 -3.37 waterside.

LM Start	3.40	Rating **	A	Issue No.	43
LM End	3.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.105223 °	38.098143 °
				-121.703263 °	-121.706302 °
DWR ID	DWR_RD0341_02_f_2015_43				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	3.40	Rating **	A	Issue No.	44
LM End	3.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.105223 °	38.098143 °
				-121.703263 °	-121.706302 °
DWR ID	DWR_RD0341_02_f_2015_44				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	10/08/2015 10/08/2015	Herman Phillips

LM Start	3.59	Rating **	C	Issue No.	5
LM End	3.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.103048 °	38.103048 °
				-121.705475 °	-121.705475 °
DWR ID	DWR_RD0341_02_f_2014_5				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	3.97	Rating **	U	Issue No.	45
LM End	6.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.097763 °	38.080573 °
				-121.706288 °	-121.731113 °
DWR ID	DWR_RD0341_02_f_2015_45				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: The unwanted vegetation on the waterside needs spraying or mowing. The arundo present blocks view of the levee section.					

Photo 1 of 1 : FA_2015_RD0341_168_45_20151008_00023.jpg



Looking downstream from the waterside slope unwanted vegetation shoulder and slope.

LM Start	3.97	Rating **	U	Issue No.	46
LM End	6.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.097763 °	38.080323 °
				-121.706287 °	-121.730453 °
DWR ID	DWR_RD0341_02_f_2015_46				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Remove the wild vegetation from the landside slope.					

Photo 1 of 1 : FA_2015_RD0341_168_46_20151008_00024.jpg



Looking downstream from the landside at tall anise weeds on the slope and toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	10/08/2015 10/08/2015	Herman Phillips

LM Start	4.15	Rating **	M	Issue No.	7
LM End	4.19	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.095148 °	38.094590 °
				-121.706367 °	-121.706393 °
DWR ID					
Action/Comments					
Inspector Comments: 2011 - Large new erosion pocket probably hidden by vegetation in the past. 2015: No observed changes. [2015 Site ID: SAC_8-2_L]					

Photo 1 of 1 : USACE2013A_SAC_8-2_L_2.jpg



USACE 2013 Photo #1

LM Start	4.47	Rating **	U	Issue No.	3
LM End	4.62	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.090620 °	38.088572 °
				-121.706684 °	-121.707127 °
DWR ID					
Action/Comments					
Inspector Comments: 1999 - New small slump in eroded bank. 2005 - Reach extended because of vertical bank along the roadway upstream. 2011 - More slumping since last year. 2012 - Site upgraded to critical. Very steep slope which may be effecting the highway on top of the levee. 2015: New erosion towards downstream end of site. [2015 Site ID: SAC_8-0_L]					

Photo 1 of 1 : USACE2013A_SAC_8-0_L_2.jpg



USACE 2013 Photo #1

LM Start	4.76	Rating **	U	Issue No.	4
LM End	4.85	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.086603 °	38.085459 °
				-121.707786 °	-121.708607 °
DWR ID					
Action/Comments					
Inspector Comments: 2011 - Large slump section. 2012 - Site extended downstream, upgraded to critical, severe windwave. Slope is very steep and may be effecting the highway on top of the levee. 2015: No observed changes. [2015 Site ID: SAC_7-9_L]					

Photo 1 of 1 : USACE2013A_SAC_7-9_L_1.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Unit No. 02 Sacramento River	Left	6.28	10/08/2015 10/08/2015	Herman Phillips

LM Start	5.17	Rating **	C	Issue No.	9
LM End	5.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.082842 °	38.081925 °
				-121.712998 °	-121.716790 °
DWR ID	DWR_RD0341_02_f_2014_9				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	5.55	Rating **	M	Issue No.	11
LM End	5.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.081270 °	38.080807 °
				-121.719702 °	-121.723488 °
DWR ID	DWR_RD0341_02_f_2014_11				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

LM Start	6.03	Rating **	U	Issue No.	1
LM End	6.16	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.080370 °	38.080526 °
				-121.728341 °	-121.730483 °
DWR ID					
Action/Comments					
Inspector Comments: 2011 - Large slump at downstream end. Gully formed from surface runoff from the road. Shallow slumping throughout site. 2012 - The gully at upstream end has increased in size and site continues to worsen. 2015: No observed changes. [2015 Site ID: SAC_7-3_L]					

Photo 1 of 1 : USACE2013A_SAC_7-3_L_3.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 02 Sacramento River	Left	6.28	10/08/2015 10/08/2015	Herman Phillips

LM Start	6.03	Rating **	C	Issue No.	13
LM End	6.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.080138 °	38.080138 °
				-121.728420 °	-121.729663 °
DWR ID	DWR_RD0341_02_f_2014_13				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	6.29	Rating **	U	Issue No.	47
LM End	6.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.081075 °	38.081142 °
				-121.732813 °	-121.733465 °
DWR ID	DWR_RD0341_02_f_2015_47				
Action/Comments					
Trim trees to at least five feet above ground level. Inspector Comments: Remove the unwanted fig trees from the levee section.					

Photo 1 of 1 : FA_2015_RD0341_168_47_20151008_00025.jpg



Landside slope blocked by woody growth of fig trees.

LM Start	6.35	Rating **	A	Issue No.	49
LM End	8.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.081220 °	38.066977 °
				-121.733960 °	-121.771493 °
DWR ID	DWR_RD0341_02_f_2015_49				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: The RD has mowed the waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Unit No. 02 Sacramento River	Left	6.28	10/08/2015 10/08/2015	Herman Phillips

LM Start	6.35	Rating **	A	Issue No.	48
LM End	9.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.081220 °	38.061097 °
				-121.733960 °	-121.784352 °
DWR ID	DWR_RD0341_02_f_2015_48				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: No unwanted vegetation RD has mowed the levee slope and toe.					

No Photos

LM Start	9.36	Rating **	A	Issue No.	50
LM End	9.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.063150 °	38.061098 °
				-121.780068 °	-121.784350 °
DWR ID	DWR_RD0341_02_f_2015_50				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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